

**INTERNATIONAL SEARCH REPORT**

In - fional Application No  
PCT/GB2004/005080

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07F9/00 A61K31/28 A61P5/00 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07F A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	SCHMID, ANNETTE C. ET AL: "Bisperoxovanadium compounds are potent PTEN inhibitors" FEBS LETTERS , 566(1-3), 35-38 CODEN: FEBLAL; ISSN: 0014-5793, 2004, XP002318469 the whole document	1-12
X	NOLTE, LORRAINE A. ET AL: "A peroxovanadium compound stimulates muscle glucose transport as powerfully as insulin and contractions combined" DIABETES , 52(8), 1918-1925 CODEN: DIAEAZ; ISSN: 0012-1797, 2003, XP002318470 the whole document	1-8, 12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

1 March 2005

Date of mailing of the international search report

10/03/2005

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Application No  
/GB2004/005080

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BAND, CHRISTIAN J. ET AL: "Early signaling events triggered by peroxyvanadium 'bpV(phen)' are insulin receptor kinase (IRK)-dependent: specificity of inhibition of IRK-associated protein tyrosine phosphatase (s) by bpV(phen)" MOLECULAR ENDOCRINOLOGY , 11(13), 1899-1910 CODEN: MOENEN; ISSN: 0888-8809, 1997, XP002318471 the whole document -----	1-8,12
X	BAND, CHRISTIAN J. ET AL: "Phosphatidylinositol 3'-kinase and p70s6k are required for insulin but not bisperoxyvanadium 1,10-phenanthroline (bpV(phen)) inhibition of insulin-like growth factor binding protein gene expression. Evidence for MEK-independent activation of mitogen-activated protein kinase by bpV(phen)" JOURNAL OF BIOLOGICAL CHEMISTRY , 272(1), 138-145 CODEN: JBCHA3; ISSN: 0021-9258, 1997, XP002318472 cited in the application the whole document -----	1-8,12
X	US 2003/055106 A1 (FAURE, ROBERT ET AL) 20 March 2003 (2003-03-20) the whole document -----	1-8,12
X	BARAT, CORINNE ET AL: "Treatment of Human T Cells with Bisperoxyvanadium Phosphotyrosyl Phosphatase Inhibitors Leads to Activation of Cyclooxygenase-2 Gene" JOURNAL OF BIOLOGICAL CHEMISTRY , 278(9), 6992-7000 CODEN: JBCHA3; ISSN: 0021-9258, 2003, XP002318473 the whole document -----	1-8,12
X	WO 00/57860 A2 (CENTRE FOR TRANSLATIONAL RESEARCH IN CANCER, CAN.) 5 October 2000 (2000-10-05) the whole document -----	1-8,12
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		-/-

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SASAGAWA, TAKAHIRO ET AL: "Bis(6-ethylpicolinato)oxovanadium(IV) complex with normoglycemic activity in KK-Ay mice" JOURNAL OF INORGANIC BIOCHEMISTRY , 88(1), 108-112 CODEN: JIBIDJ; ISSN: 0162-0134, 2002, XP002318474 the whole document	10,12
X	KOZLOV, ALEXANDER ET AL: "Zeolite-encapsulated vanadium picolinate peroxo complexes active for catalytic hydrocarbon oxidations" JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL , 137(1-3), 223-237 CODEN: JMCCF2; ISSN: 1381-1169, 1999, XP002318475 the whole document	10
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